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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/770,912	02/03/2004	Gaurav Aggarwal	14101US03	1702
23446 7590 04/20/2007 MCANDREWS HELD & MALLOY, LTD 500 WEST MADISON STREET SUITE 3400 CHICAGO, IL 60661			EXAMINER RAO, ANAND SHASHIKANT	
			ART UNIT	PAPER NUMBER
			2621	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		04/20/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/770,912	<b>Applicant(s)</b> AGGARWAL ET AL.	
	<b>Examiner</b> Andy S. Rao	<b>Art Unit</b> 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 13 February 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/13/07 has been entered.

***Response to Arguments***

2. Applicant's arguments filed with respect to claims 1-6 as filed on 2/13/07 have been fully considered but they are not persuasive.

3. The Applicant presents two arguments contending the Examiner's rejection of previous pending claims 1-6 under 35 U.S.C. 102(e) as being anticipated by Chen et al., (hereinafter referred to as "Chen"), as set forth in the Final Office Action of 11/13/06, and further discussed in the Interview Summary of 13/07. However, after a careful consideration of the arguments, the Examiner must respectfully disagree for the reasons that follow.

After summarizing the Chen reference as applied and further discussed in the Interview Summary (Amendment of 11/13/06: page 2, lines 7-19), the Applicants argue that Chen fails to address the "in reverse from play order..." limitation because pictures before entry point are never displayed at all, and that normal decoding processes start (Amendment of 11/13/06: page 2, lines 20-25; page 3, lines 1-60). The Examiner respectfully disagrees. It is noted that since Chen discloses using "a first pass" to set up entry picture display refresh (Chen: column 8, lines

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13-15), the second pass is where the frames are displayed as part of the refresh process, and after this is where the reference discloses returning to normal decoding and or displaying order of the frames (Chen: column 8, lines 45-49). Accordingly, the Examiner maintains that the limitation is met.

Secondly, the Applicants argue that based on the Abstract, one of ordinary skill in the art would not understand that summarization to teach "...displaying the first one or more pictures in reverse from play order..." as in the claim (Amendment of 11/13/06: page 3, lines 6-17). The Examiner respectfully disagrees. Luckily, "one of ordinary skill in art" is not restricted to arriving at such a conclusion based solely on the teachings of the Abstract. That being said, Chen clearly discloses juxtaposing the refresh process and associated refresh display order versus a normal decoding process and its display order. Furthermore, since Chen further discloses specifying a progressive refresh bitstream before and after an entry point picture and further discloses an associated display order for such a bitstream stream, so this clearly discloses to one of ordinary skill in the art the means for connoting a reverse display order. Accordingly, the Examiner disagrees with this argument.

A detailed rejection follows.

#### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an

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international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

5. Claims 1-6 remain rejected under 35 U.S.C. 102(e) as being anticipated by Chen et al., (hereinafter referred to as "Chen").

Chen discloses method for rewinding a group of pictures (Chen: figure 3), said method comprising: storing a first reference picture from the group of pictures (Chen: column 8, lines 1-5); decoding a first one or more pictures from the group of pictures (Chen: column 8, lines 5-10), displaying the first one or more pictures in reverse order (Chen: column 6, lines 15-21) from play order (Chen: column 5, lines 25-45); storing a second reference picture from the group of pictures (Chen: column 6, lines 30-43); decoding a second one or more pictures from the group of pictures (Chen: column 7, lines 10-20); displaying the second one or more pictures in reverse order (Chen: column 6, lines 45-55) from play order (Chen: column 5, lines 25-45); storing a third reference picture from the group of pictures; decoding a third one or more pictures (Chen:

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column 10-15); and displaying the third one or more pictures in reverse order (Chen: column 6, lines 45-55) from play order (Chen: column 5, lines 25-45), as in claim 1

Regarding claim 2, Chen discloses wherein the group of pictures comprises a HITS stream (Chen: column 2, lines 35-42), as in the claim.

Regarding claim 3, Chen discloses wherein the group of pictures is 20 pictures (Chen: column 5, lines 10-30: Table I- It is noted that a group of 20 pictures falls between the disclosed refresh depths of 6 to 3), as in the claim.

Chen discloses a system for rewinding a group of pictures (Chen: figure 1), said system comprising: one or more image buffers (Chen: column 3, lines 25-40) for storing a first, second, and third reference pictures from the group of pictures (Chen: column 8, lines 1-10), a decompression engine for decoding a first, second, and third one or more pictures from the group of pictures (Chen: column 3, lines 15-32), and a display engine for displaying the first, second, and third one or more pictures from the group of pictures in reverse order (Chen: column 3, lines 43-50) from play order (Chen: column 5, lines 25-45), as in claim 4.

Regarding claim 5, Chen discloses wherein the group of pictures comprises a HITS stream (Chen: column 2, lines 35-43), as in the claim

Regarding claim 6, Chen discloses wherein the group of pictures is 20 pictures (Chen: column 5, lines 10-30: Table I- It is noted that a group of 20 pictures falls between the disclosed refresh depths of 6 to 3), as in the claim.

***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy S. Rao whose telephone number is (571)-272-7337. The examiner can normally be reached on Monday-Friday 8 hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on (571)-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Andy S. Rao  
Primary Examiner  
Art Unit 2621

asr  
April 17, 2007

ANDY S. RAO  
